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- Zhang, J., see Zhao, D. 403 (2005) 129

- Zhao, D., W. Qin, J. Zhang, C. Wu, G. Qin, G. De, J. Zhang and S. Lü, Modified spontaneous emission of europium complex nanoclusters embedded in colloidal silica spheres 403 (2005) 129
- Zhao, Q., see Peng, M. 403 (2005) 410
- Zhou, X., J.-K. Feng and A.-M. Ren, One- and two-photon absorption properties of octupolar molecules with tetrahedral structure 403 (2005) 7
- Zhou, Y., B. Wang, M. Zhu and J.G. Hou, Observation of co-existence of 'face-on' and 'edge-on' stacking styles in a porphyrin monolayer 403 (2005) 140
- Zhu, C., see Peng, M. 403 (2005) 410
- Zhu, M., see Zhou, Y. 403 (2005) 140
- Zou, S. and G.C. Schatz, Silver nanoparticle array structures that produce giant enhancements in electromagnetic fields 403 (2005) 62

